Resource Readiness in the ComEd Control Area Summer 2002

Supply Outlook for Summer 2002

- ComEd and Exelon Generation will be able to comfortably meet the energy demands of ComEd customers.

- Based on mean expected load forecasts and ComEd's designated resources, ComEd expects to have reserve margins of 18%, exceeding MAIN guidelines.

- Designated generation resources, along with ComEd's curtailable programs, expected RES supply and available spot market purchases, can satisfy planning criteria targeted at a "high expected load" scenario.

Forecasted Control Area Peak Load

- The mean expected (50/50) 2002 peak summer load for the ComEd Control Area is 21,900 MW.
- Resource planning targets the "high expected load" (80/20) scenario, estimated to be 23,100 MW.
- The National Oceanic and Atmospheric Administration expects equal chances for average, below average or above average temperatures for the Midwest this Summer.

Available Generation Resources - Exelon Portfolio

- 10,000 MW of Exelon-owned nuclear generation:
  - Braidwood 2,340 MW
  - Byron 2,362 MW
  - Dresden 1,634 MW
  - LaSalle 2,260 MW
  - Quad Cities 1,153 MW
  - Clinton 230 MW
- 9,100 MW of Midwest Generation resources:
  - Coal (60%); Collins (30%); and Peakers (10%)
- 1,700 MW of Dominion-owned generation
  - Kincaid (70%); State Line (30%)
- 2,400 MW of other Exelon-owned and contracted iron-in-the-ground resources

MAIN Reserve Margins

- In April, the Mid-America Interconnected Network (MAIN) conducted an independent audit of ComEd to evaluate and compare its capacity resources and projected peak load.
- MAIN reliability reporting is based on the mean expected peak load forecast, under average peak-making (50/50) weather conditions.
- The reserve margin calculation takes into account curtailable programs and load expected to be served by RESs:

Expected ComEd Control Area peak load	21,900 MW
+ Wholesale sales	175 MW
– Load expected to be served by others (RESs)	1,400 MW
– Interruptible load	1,050 MW
= ComEd's Expected Peak Load	19,625 MW

ComEd's MAIN Reserve Margin

- Based on ComEd's mean expected (50/50) peak summer load and the resources designated to serve this load, MAIN determined ComEd's reserve margin to be 18%:

$$\text{Reserve Margin} = \frac{\text{Resources} - \text{Expected ComEd Peak Load}}{\text{Expected ComEd Peak Load}}$$

$$= \frac{23{,}200\ \text{MW} - 19{,}625\ \text{MW}}{19{,}625\ \text{MW}}$$

$$= 18\%\ \text{Reserve Margin}$$

- This level of reserves exceeds the minimum 15% reserve guidelines that are established by MAIN for planning purposes.

Resource Readiness Summary

- Exelon-owned or contracted resources of 23,200 MW are sufficient to meet the "high expected load" (80/20) scenario for the ComEd Control Area (23,100 MW).
- RES supplies and ComEd curtailments may reduce the amount of load to be served by ComEd under this scenario by approximately 2,500 MW.
- In addition, Exelon Generation can use a variety of other resources to meet this load:
  - Other generation in its portfolio of resources.
  - Newly constructed IPPs in Northern Illinois.
  - Spot purchases from the regional market.

Delivery System Outlook for Summer 2002

- Under both the expected and "worse" case summer peak scenarios, there are no transmission elements or substations expected to be loaded above 100% of their respective ratings.
- Under "worse" case loadings, no distribution feeders would would be expected to be loaded greater than 105% with the completion of remedial actions planned for this summer.
- ComEd continues to increase transmission and distribution system capacity and reliability through targeted projects.

Distribution Substation Projects for 2002

- ComEd plans distribution infrastructure based on a one in ten year occurrence of extreme weather (90/10).
- ComEd will increase distribution system capacity and reliability by:
  - Building 3 new substations
    - State (South Loop)
    - New Lenox

    - Orland Park
  - Increasing capacity at 14 substations
  - Replacing transformers with larger ones at 3 substations

Transmission System Projects for 2002

- ComEd plans transmission infrastructure based on a one in ten year occurrence of extreme weather (90/10).
- ComEd will increase transmission system capacity and reliability by:
  - Increasing reliability by adding a new transmission substation (Dekoven) and upgrading another (Silver Lake)
  - Increasing capacity of two (2) 345 kV circuits through various improvements
  - Increasing capacity of six (6) 138 kV circuits through various improvements

Outlook for Summer 2002

- ComEd's load serving obligations will be met through its full requirements Power Purchase Agreement with Exelon Generation.
- ComEd has forecasted the expected and "worse case" peak loads for its control area and has worked with its affiliate to identify resources that will be used to meet these loads.
- ComEd expects to meet MAIN reserve margin guidelines by having reserves that exceed 15%.
- Under a "worse" case summer loading scenario, all ComEd delivery system elements are expected to operate within acceptable rating levels.
- ComEd continues to make the necessary investments in its delivery system to enhance reliability.